



**Federal Aviation
Administration**

Federal Utility Partnership Working Group Seminar

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Center

EARTH DAY 2015



FAA Partner Utilities



SOUTHERN CALIFORNIA
EDISON

An *EDISON INTERNATIONAL* Company



WSA UESC Projects

- Oakland District UESC Project
- Southern California TRACON (SCT) UESC Project
- Los Angeles Center (ZLA) UESC Project
- All UESC Sites are Large, En-Route Air Traffic Control Facilities with the Highest Utility Costs

Oakland District UESC Project

- Awarded to Pacific Gas and Electric (PG&E) 05/28/14
- \$6.1M With 16 Year Payback
- Oakland Center and Associated Support Facilities
- ECMs for Interior and Exterior Lighting, Chiller, Boiler Replacements and Cooling Tower Water Treatment Upgrade
 - 12 Flow Meters, Condenser Water Pump and Motors Funded Under Other Programs
 - No PV Array
- HVAC Work Near Completion at Two Support Facilities
- Other Work to Begin in May, 2015

Oakland District UESC Project

- Highest Level of Complexity
- Over 25 Sites
- Oversight from Every Level of the Agency
- PG&E is the Only Utility in This Group that Assigned a Prime



LA Center UESC Project

- Awarded to Southern California Edison (SCE)
- \$5M With 15 Year Payback
- LED Retrofits, HVAC System at Child Care Facility
- Includes a 989 KW PV Array Over Carports
- Anticipated June 1 Construction Start
- Requested Landscaping Proposal to Reduce Outdoor Water Consumption

LA Center UESC Project

- Path Forward on Landscaping
- This Project has the Least Impact on the National Airspace System (NAS)
- The First Assessment Became the IGA
- It Took us a Long, Long Time to Move Forward (Come-on Man)



Southern California TRACON (SCT) UESC Project

- Awarded to San Diego Gas and Electric (SDG&E)
- \$6.5M With 15 Year Payback
- Lighting Retrofits to LEDs, Chillers, Pumps with VFDs
- Includes 893 KV PV Array Over Carports
- Design Review Complete
- Anticipate May 1 Construction Start

SCT UESC Project

- LED Full Facility Solution
- Required Outside Funding to Overcome Issues
- The Agency Funded about \$100K in Studies and Re-commissioning
- SDGE Directly Manages the Subs



Basic Issues to Examine and Question

- Have an understanding on overhead charges, look for examples of competition in subcontracting, know what to expect and make sure you have as few surprises as possible.
- How does your sourcing team work? What is the organization of the project management team?
- If you have project overruns how are they going to be managed? Change order history?
- Inside your Agency, who is going to sign off on the project?
- How much time can you spend working these projects? Can you get support?
- Move as quickly as possible!

WSA Rebate Program

- WSA is Retaining Rebates from Energy Companies
- Over \$600,000 Retained to Date
- Rebate Dollars Utilized to Fund Smaller Energy Projects and Offset Some Administrative Costs Associated with UESCs
- Energy Rebates
 - Many Utility Providers Offer Rebates for HVAC and Lighting Upgrades (Modernization Projects)
 - Rebates Retained to Fund Future Energy Projects

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Questions?



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